Miele
PROFESSIONAL

Operating Instructions
for Washer-extractor
WS 5425 MC 7

It is **essential** to read these operating instructions before installing or using the machine, to avoid the risk of accident or damage to the machine.

GB

M.-Nr. 04 386 930

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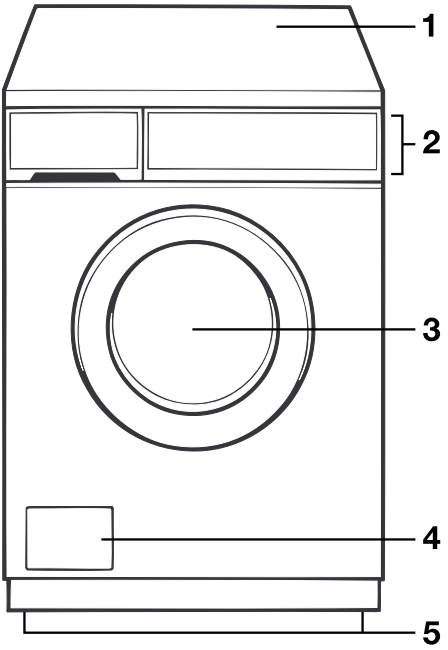


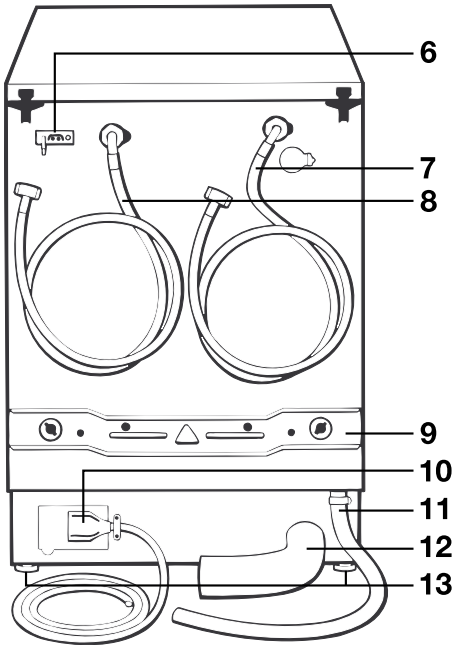
1 Machine lid

2 Detergent dispenser / Control panel

3 Drum door

4 Access panel - drainage system (and/or pump and filter), emergency door opener

5 Height-adjustable feet



6 Cable entry for extra equipment

7 Inlet hose (cold water)

8 Inlet hose (hot water)

9 Transit fitting (remove before commissioning)

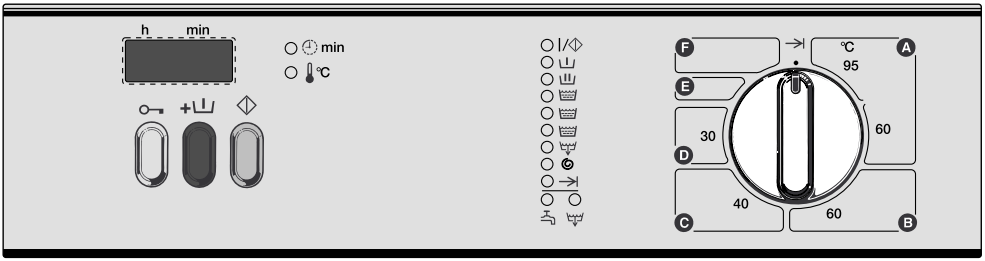
10 Supply power cable

Drain pump or drain valv (as ordered)

11 Drain hose (for drain pump)

12 Drain hose (for drain valve)

13 Height-adjustable feet



Pushbutton switches

Door

opens the drum door, releases the "with pre-wash" button if this was pushed in.

With Pre-wash

Can be selected with programmes Ⓐ, Ⓑ, Ⓒ and Ⓔ

Start

Starts the programme

Additional display and indicator lights

(above the pushbutton switches)

°C Temperature
min Time left

Programme sequence indicator lights

I/ On/Start
Pre-wash
Main wash
Rinse
Rinse
Rinse
Drain
Final spin
End
Water inlet/Drain

Programmes

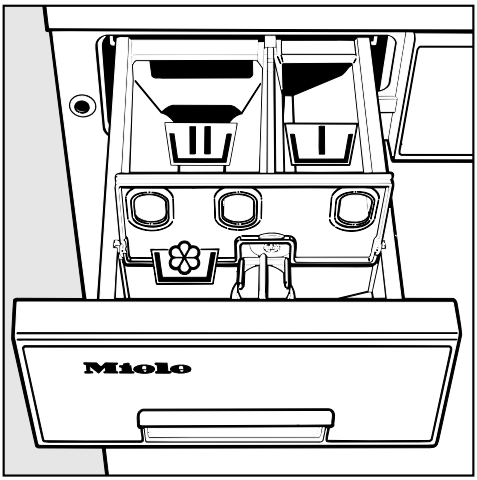
Ⓐ Cottons
Ⓑ Minimum iron
Ⓒ Delicates/Synthetics
Ⓓ Woollens
Ⓔ Short
Ⓕ Separate spin

Detergent dispener drawer

Compartment I - for the pre-wash

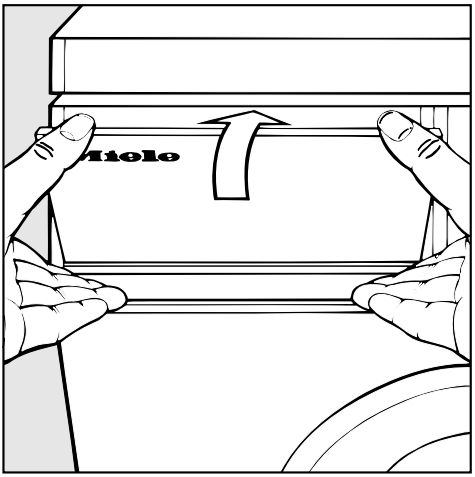
Compartment II - for the main wash

Compartment ❀ - (with extra lid), for fabric conditioner or liquid starch formulation



Control panel

A small panel is provided with the machine to explain the symbols on the control panel. This is to be inserted into the front of the detergent dispenser drawer.



- Set the small panel into the lower guide, press downwards and at the same time slot it in at the top.

Use of the appliance

This automatic washing machine is particularly suitable for use in communal laundry rooms, laundrettes etc., where considerable amounts of soiled laundry occur.

Please read the operating instructions before using this machine for the first time. They contain important information about the safety, use and maintenance of the machine. This will avoid the risk of accidents and damage to the machine.

Keep these operating instructions in a safe place and ensure that new users are familiar with the content. Pass them on any future owner of the machine.

Correct usage

Only use the washer-extractor to wash items which are declared by the manufacturer to be machine-washable on the wash-care label.
Any other applications may be dangerous. The manufacturer is not liable for damage resulting from improper use or operation.

Do not let small children play with the machine and its controls or operate it. Please supervise its use by the elderly or infirm.

Technical safety

Before setting up the machine check it for any externally visible damage.
Do not install or use a damaged machine.

Before connecting the machine, ensure that the connection data on the data plate (fusing, voltage and frequency) matches the mains electricity supply. If in any doubt, consult a qualified electrician.

The electrical safety of this machine can only be guaranteed when continuity is complete between the machine and an effective earthing system which complies with local and national regulations. It is most important that this basic safety requirement is regularly tested by a qualified electrician.
The manufacturer can not be held responsible for the consequences of an inadequate earthing system.

The machine is built in accordance with current safety requirements. Unauthorised repairs could result in unforeseen dangers for the user, for which the manufacturer can not accept responsibility. Repairs should only be undertaken by a Miele approved engineer.

The machine is only completely isolated from the electricity supply when:

– the plug is withdrawn, or:

– it is switched off at the mains, or

– the mains fuse is withdrawn.

The best materials are used in the manufacture of this machine, and every care is taken to check all parts. However, with time, deterioration of parts can occur, especially with such components as hoses, giving rise to leaks. This should be borne in mind if operating the machine without supervision. Check the hose regularly for signs of wear, and change in good time, to avoid leaks and subsequent damage.

Faulty components must only be exchanged for Miele original spare parts. Only when these parts are fitted can the safety standards of the machine be guaranteed.

Use

Do not install your washing machine in rooms where sub-zero temperatures may occur. Frozen hoses may burst under pressure. The reliability of the electronic control system may be impaired at temperatures below freezing point.

In countries where there are areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the appliance and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the appliance guarantee.

Before using the machine for the first time, check that the transit fitting at the rear of the machine has been removed (see “Installation”). During spinning, a transit fitting which is still in place may result in damage to both the machine and adjacent furniture or appliances.

Turn off the stopcock if the machine will be left for any length of time (e.g. holiday), especially if there is no floor drain (gully) in the immediate vacinity.

Flooding danger.
If hooking the drain hose into a wash basin, check that the water can drain off quickly enough to prevent the sink from overflowing.
Make sure the drain hose is secure, so that the force of the water flowing out of the hose does not dislodge it. Otherwise this will result in flooding.

Take care to ensure that foreign objects (e.g. nails, needles, coins, paper clips, etc.) do not find their way into the machine with the washing (e.g. in pockets). Foreign objects can damage components of the machine, which in turn, can result in damage to the washing.

If the correct amount of detergent is dispensed, the machine should not need to be descaled. If however, you do wish to descale the machine, only use proprietary non-corrosive descaling agents and strictly observe the instructions. Consult the Miele Customer Service Department.

Textiles which have been pretreated in detergents containing solvents must be thoroughly rinsed in clean water before being washed in the machine.

Never use detergents containing solvents in this machine, as this may result in damage to component parts and create toxic fumes. Such detergents also pose a fire and explosion hazard.

Dye removers may contain sulphur compounds which may damage washing machines. Only use dyes or dye removers specified by the manufacturer as being suitable for use in a washing machine. Always observe the manufacturer's instructions carefully.

If washing at very high temperatures remember that the porthole glass will be hot. Do not let children touch it during a hot wash programme.

Always make sure the drum is stationary before reaching in to remove washing. Reaching into a moving drum is extremely dangerous.

Accessories

Accessory parts may only be fitted when expressly approved by Miele. If other parts are used, guarantee, performance and product liability claims may be invalidated.

Disposal of your old machine:

Before discarding an old machine unplug it. Render the plug useless. Cut off the cable directly behind the appliance to prevent misuse.

Disposal of the packing material

The transport and protective packing has been selected from materials which are environmentally friendly for disposal and can normally be recycled.

– Corrugated paper / card
– Polystyrene - CFC free
– Polyethylene foil (transparent) PE
– Fibre board - solvent free
– Wood - untreated
– Packaging straps: Polypropylene PP

Rather than just throwing these materials away, please ensure they are offered for recycling.

Disposal of your old machine

Old machines contain materials which can be reclaimed or recycled. Please contact your dealer, your local waste collection centre or scrap merchant about potential recycling schemes.

Ensure that the machine presents no danger to children while being stored for disposal.
See the appropriate section in the Warning and Safety instructions.

Washing environmentally

Caring for the environment means saving water, energy and detergent when washing. This machine is equipped with the Hydromatic System and Miele “wash system” with ball valve. These systems contain a variety of technical features, such as the drum ribs, which are designed to enable economical washing without compromising on results.

The automatic load control facility enables loads of between 1 and 5 kg to be washed using only as much water and electricity as is required for an effective wash.

Spinning at the high speed of 1200 rpm reduces drying times and energy consumption if laundry is dried in a tumble dryer after washing.

Economy tips

To help you wash most economically, remember the following tips:

- Always wash with the maximum laundry load specified for each programme. This uses the energy to the best advantage.
- Only use the correct amount of detergent required for the water hardness level in your area, as recommended by the manufacturer.
- If laundry is not heavily soiled, select a lower temperature setting than indicated on the laundry care label. Use the SHORT programme for laundry that just needs freshening up, or is only very lightly soiled.

Important: the appliance must be properly installed and connected to the water and electricity supply according to local and national regulations.
Check that the transit fitting at the rear has been removed.

For further information read the instructions on pages 35-43.

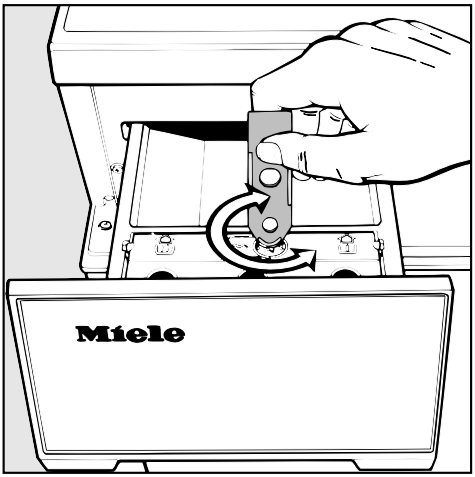
Washing out the machine

Any residual lubricants and water from testing still in the machine should be flushed out as follows:

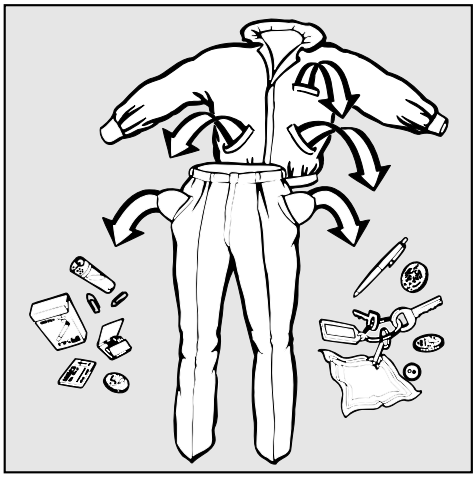
- Do not load any laundry in the machine.
- Add a little detergent to compartment II.
- Turn the programme selector switch to the "A" Cottons 60°C programme.
- Press the Start ◇ button.

Water hardness reminder

The amount of detergent will depend on various factors including water hardness. Your local water authority can advise on water hardness in your area.



The dial in the detergent box can be set as a water hardness reminder (1-4, see Chart p.14). Use the spatula (supplied for opening the drain filter panel).



- Empty all pockets.

Foreign objects (e.g. nails, coins, paper clips etc.) can cause damage to textiles and components in the machine.

Sort the laundry

Most garments have a textile care label in the collar or side seam. Sort the laundry by care label symbols.

Only wash items in this machine which are declared by the manufacturer as being machine washable on the textile care label.

Dark textiles often contain excess dye, and should be washed separately several times before being included in a mixed load.

Delicate textiles should be washed separately in a delicates programme.

Only wash textiles made from wool or wool mixtures if they are declared as being suitable for machine washing on the textile care label.

Pre-treating the washing

Badly soiled areas, e.g. collars and cuffs, and water soluble stains, can be pre-treated with bar soap, liquid detergent or detergent mixed into a solution or paste.

With particularly stubborn stains ask your Dry Cleaner for advice.

Do not use detergents containing solvents in this machine.

Loading the drum

Unfold laundry and load loosely in the drum. To achieve best results it is advisable to make up mixed loads consisting of both large and small items. This improves the washing effect and helps distribute the load evenly to keep the machine stable and reduce the noise level during spinning. Overloading reduces the wash result and causes more creasing.

It is advisable to weigh the load first to make best use of the machine's capacity. (See pp. 21-23 for max. suggested loads).

With curtains: Remove lead weights and strips or place in a laundry bag.

Woollens and knitted garments should be turned inside out if the manufacturer recommends it.

Close the drum door

Make sure that there is no obstruction between the drum door and seal.

Washing

95 60 40 Cottons

95 60 50 40 30 Minimum iron

40 30 Delicates/Synthetics

40 30 Machine washable Woollens

The significance of the bar beneath the wash tub:

no bar,
normal (maximum) agitation, eg Cottons programme

bar,
reduced overall action, eg Minimum iron and Delicates programme

broken bar,
much reduced (minimum) agitation, Woollens programme

Machine washable woollens

Use the special “Wool” programme, and only wash woollens bearing the label shown here:

This symbol is registered by the IWS (International Wool Secretariat).

Hand wash

do not wash

Ⓐ Ⓟ Ⓕ dry clean

do not dry clean

CL suitable for chlorine bleaching

not suitable for chlorin bleaching

Tumble dry

at normal temperature

at the lower temperature

do not tumble dry

Ironing

hot iron

medium hot iron

cool iron

do not iron

N.B. If you have any textiles with the older wash care labels, select a programme according to the table below.

1 95° 2 60° 5 40° Cottons

9 95° 3 60° 4 50° Minimum iron

8 30° 6 40° Delicates/Synthetics

7 40° Woollens

Adding detergent

All modern detergents produced for automatic washing machines are suitable, including liquid, compact (concentrated) and special application detergents. Use dispensing aids, e.g. balls, if these are supplied with the detergent. Woollens and knitware containing wool mixtures should be washed using a detergent specifically designed for washing woollens.

Add the right amount of detergent as recommended on the packaging.

The amount dispensed will depend on the following:

– the quantity of laundry

– the water hardness level

– the level of soiling

It is important to dispense the correct amount, because . . .

. . . too little detergent results in the following:

– The laundry will not be properly clean and will in time become grey and hard to the touch.

– Greasy particles cling to the laundry.

– Lime deposits on the heater elements.

. . . too much detergent results in the following:

– Excessive foam.

– Low level of agitation.

– Poor washing and rinsing results.

Water Softeners

A water softener can be used to cut down on the use of detergents in water hardness ranges 2 - 4. Dispense according to the amount specified on the packaging. First add detergent and then the water softener. Use a quantity of detergent as for soft water.

We recommend:
if you wash using several components (e.g. special application detergents), dispense the agents in the following order into compartment II and / or III.

1. Detergent

2. Water softener

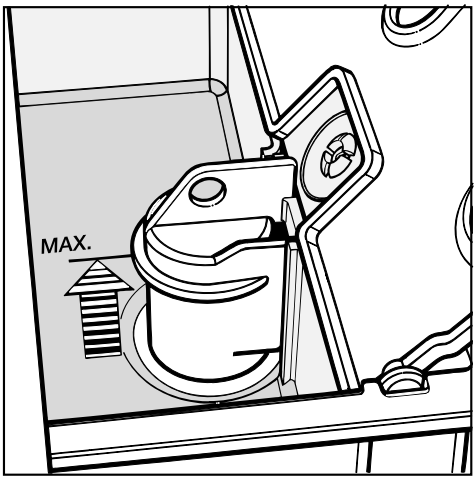
3. Stain salts

This way the agents are distributed better.

Water hardness

Hardness range	water	mg/litre	Clarke's scale	°dH (German)
1	soft	up to 135	up to 10°	0 - 7°
2	medium	up to 250	10° to 20°	7 - 14°
3	hard	up to 380	20° to 25°	14° - 21°
4	very hard	over 380	over 25°	over 21°

Fabric conditioners make garments soft and fluffy to handle and help prevent static cling when tumble drying. Dispense according to the manufacturer's recommendations.



- Open the lid of compartment ❀
- Add fabric conditioner, but do not exceed the max. level mark.
- Close the compartment lid and push in the dispenser drawer.

The conditioner is automatically dispensed in the last rinse. At the end of the programme a small amount of water remains in the fabric conditioner compartment.

Texturiser and liquid starch formulations

These synthetic starch formulations give body to items e.g. shirts, tablecloths and bed linen. Add starch formulations to the fabric conditioner compartment following the same procedure as for fabric conditioner.

Liquid starch

- Prepare and dispense the starch solution in accordance with the manufacturer's instructions.
- Add to compartment ❀ but do not exceed the marker level.
- Close the compartment lid.

Programme selection

The following basic programmes are available:

Ⓐ Cottons

Low water level for washing, high water level for rinsing; 3 rinses; final spin max. 1200 rpm.

Ⓑ Minimum iron

Low water level for washing, medium water level for rinsing; 3 rinses; final spin max. 900 rpm.

Ⓒ Delicates/Synthetics

High water level for washing and rinsing; 3 rinses; final spin max. 600 rpm.

Ⓓ Woollens

Mediium water level for washing, high water level for rinsing; 3 rinses; final spin max. 900 rpm. Reduced drum agitation.

See p. 23 for descriptions of settings Ⓔ and Ⓕ.

The following function can be chosen additionally;

+ With pre-wash

for heavily soiled and stained laundry items.

Selecting a programme

- Open the stopcock
- Load the drum and close the door.
- Add detergent and fabric conditioner or liquid starch if required.
- Turn the programme selector switch to the required position.
- Select “with pre-wash” if required.
- Press “Start” button.

Machines with coin-box / time counter (see p. 37)

Proceed as above under “Selecting a programme” as far as “Turn the programme selector switch to the required position”.

- Select “with pre-wash” if required.
- Insert coins / tokens.
- Press the “Start” button.

Note:

If the above procedure is not followed coins / tokens might be ’swallowed’. This will happen if, for example, after inserting the coins / tokens and before pressing the “Start” button, the programme selector switch is turned beyond the End position to a different programme. It will also happen on machines with a time counter if a programme is interrupted for longer than 20 seconds.

Coins and tokens should be emptied on a regular basis to ensure the coin box does not get jammed full.

Additional displays

There is a display field above the push-button switches for the following:

– Temperature display

– Time left display

°C Temperature display

After a programme has started the actual suds temperature is displayed in 5°C steps until the temperature set for the main wash is reached.
The "°C Temperature" indicator light illuminates.

min Time left display

Once the temperature set for the main wash has been reached the time left for the programme to run shows in the display in hours and minutes.

The "min Time" indicator lights up.

The time left counts down in one minute intervals.

A programme can be changed at any time, as long as the programme sequence allows the change.

- Turn the programme selector switch to the required programme. The new programme will continue in the same stage as in the previously selected programme.

Except:

If the programme selector switch was turned past the →I End position.

When changing from or to:

– ❶ Separate spin or

the previous programme is cancelled.

Press “Start” and the programme chosen will start as new.

When using a coin box / time counter the programme is locked after 3 minutes and no more changes are possible.

To cancel a programme:

- Turn the programme selector switch to the →I End position.
  The indicator lights flash through the other programme stages until the →I End position is reached.

To omit a programme stage

A programme stage must first be reached before it can be omitted:

- Turn the programme selector to →I End.

As soon as the programme sequence light for the stage at which the programme should continue starts flashing:

- turn the programme selector switch to the appropriate programme within 3 seconds.

To repeat a programme stage:

A programme stage must have finished before it can be repeated:

- Turn the programme selector switch to →I End.

When →I End illuminates in the sequence display:

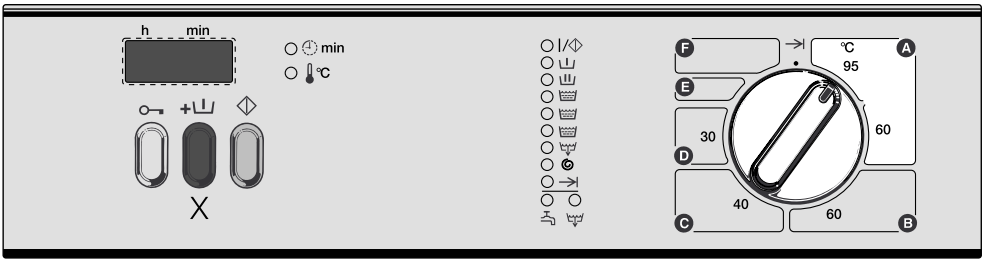
- Select the new programme required.
- Press the “Start” button.
- After approx. 5 seconds, turn the programme selector switch to →I End again.

Once the indicator light of the programme stage to be repeated starts flashing:

- turn the programme selector switch to the appropriate programme within a period of 3 seconds.

Additional programmable functions

It is possible to have additional programmable functions and / or programme sequence changes carried out by a Service Dealer or Service Engineer. Any changes to the standard machine version must be noted on a card left with the machine as a record for any subsequent servicing work.



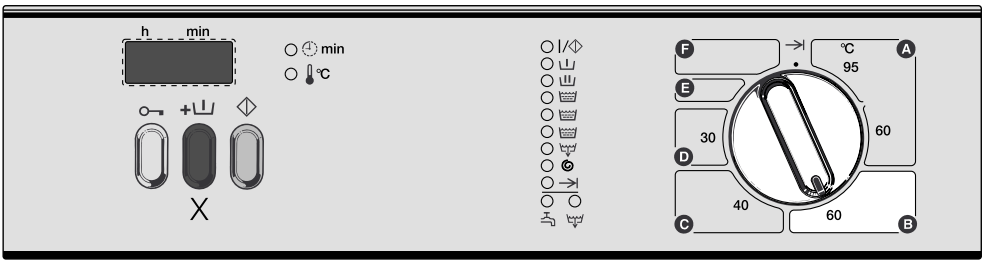
Ⓐ Cottons

X = additional option

For cotton and linen textiles.

Items to be washed at 40°C maximum should be washed in programme Ⓒ.

Max. 5 kg



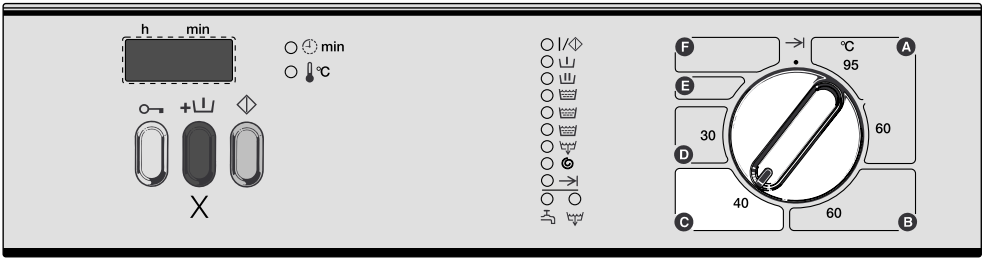
Ⓑ Minimum iron

X = additional options

Minimum iron textiles in synthetic, mixed fibres or minimum iron cottons.

Items to be washed at 40° C maximum should be washed in programme Ⓒ.

Max. 2,5 kg



C Delicates/Synthetics

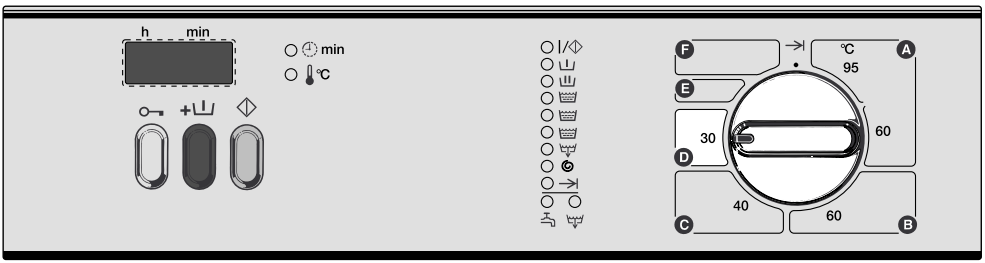
For delicate textiles in synthetic, mixed fibres and delicate cottons, acrylics, acetate and triacetate.

Max. 1 kg

Machine washable curtains (see washing instructions): load loosely in the drum filling no more than 1/3 full.

Wash in programme C if at 40°C, according to the manufacturer's instructions, or programme D if at 30°C.

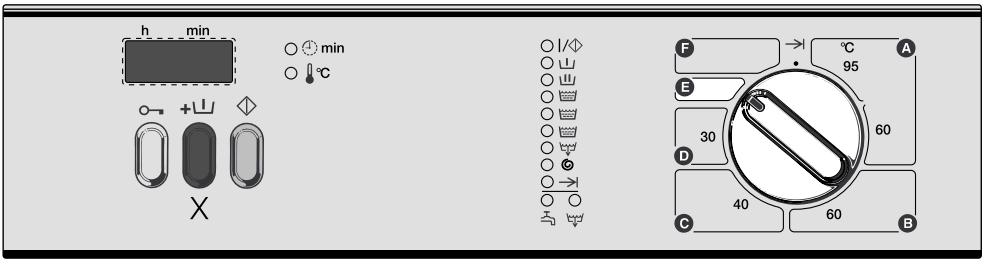
X = additional option



D Woollens

For woollen or wool mix textiles which have the following woollens symbols stating that they are machine washable.

Max. 1 kg

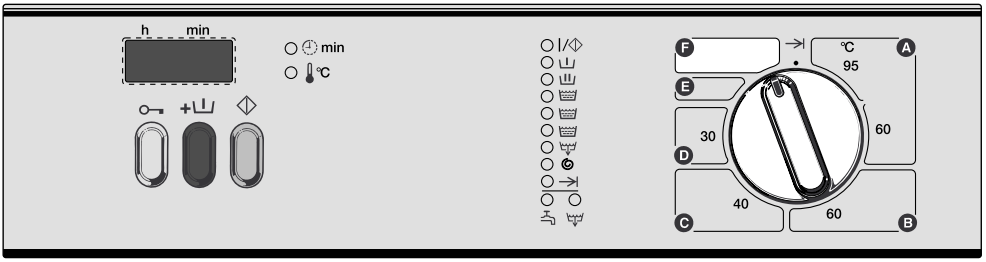


Ⓔ SHORT programmme 40°C for Cottons

X = additional option

For new garments which need to be washed before wearing for the first time. For freshening up clothes which have been in storage for a while.

Max. 2.5 kg



Ⓕ Separate spin

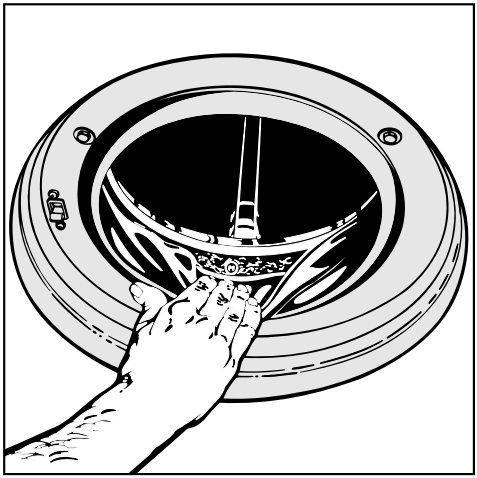
For spinning garments such as those previously hand washed. These must be suitable for spinning in a machine. (1200 rpm).

Programme end

After washing:

- Turn the programme selector switch to →| End.
- Press the "o— Door" button.

Only remove laundry from the machine once the drum has stopped turning, otherwise you may seriously injure yourself.



- Check the folds in the door seal for any small articles such as buttons or other foreign bodies which might be lodged there.

Make sure the drum is empty, otherwise, when the machine is next used items may become damaged (e.g. shrink) or cause other laundry to discolour.

- Turn off the stopcock(s).
- Switch the machine off.

Cleaning the washing machine

Clean the casing with a mild non-abrasive detergent or soap and water. Wipe dry with a soft cloth.

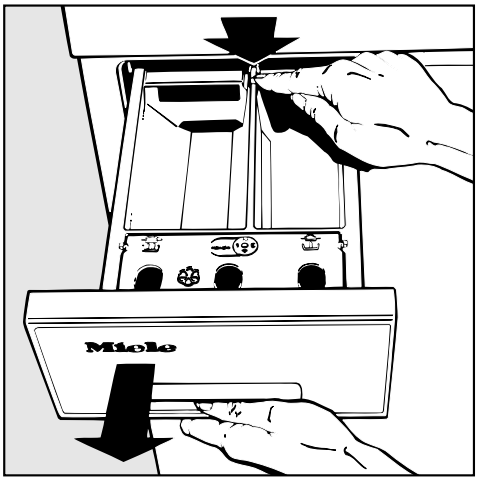
Clean the facia panel with a damp cloth and dry with a soft cloth.

The drum and any other stainless steel parts can be cleaned using a proprietary stainless steel cleaner according to the manufacturer's instructions.

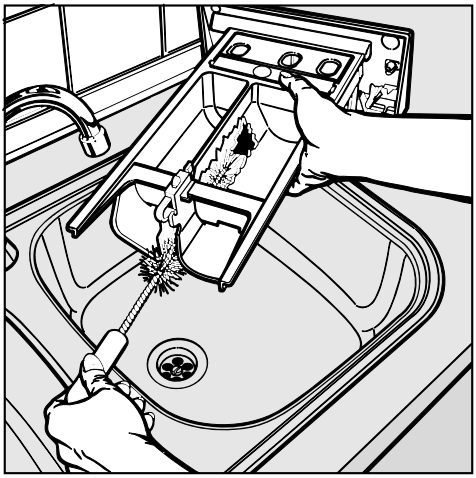
Do not use abrasive cleaners or solvents.

Cleaning the detergent drawer

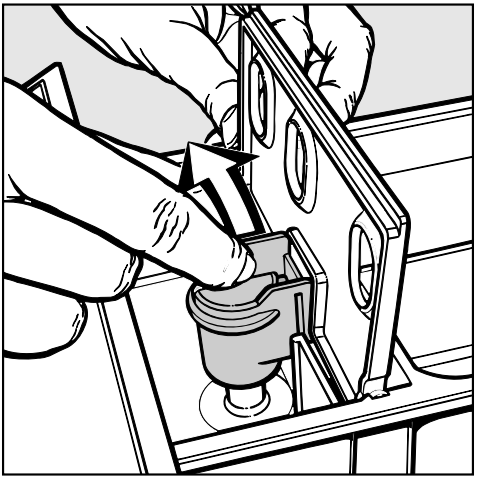
- Pull out the drawer until a resistance is felt.



- Press down the red release knob and at the same time pull the drawer right out of the machine.



- Clean the dispenser compartments and the fabric conditioner duct.



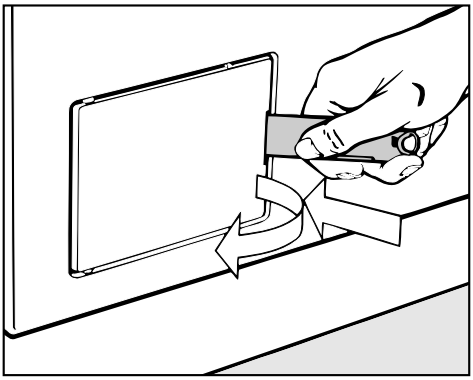
- Remove the siphon tube from compartment and wash in warm water.

Cleaning with drainage system

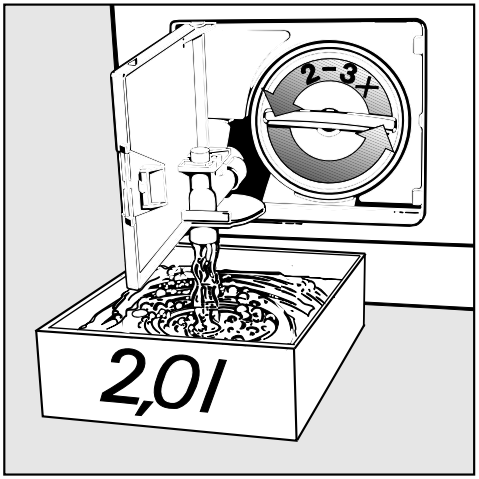
Machines with Drain pump

Check the fluff filter initially after 3 - 4 washes to ascertain how often it is likely to require cleaning.

- Switch the machine off, (either open the door or switch off at the isolator).



- Open the drain access flap.
- Place a 2 litre capacity dish underneath the drain fixture.

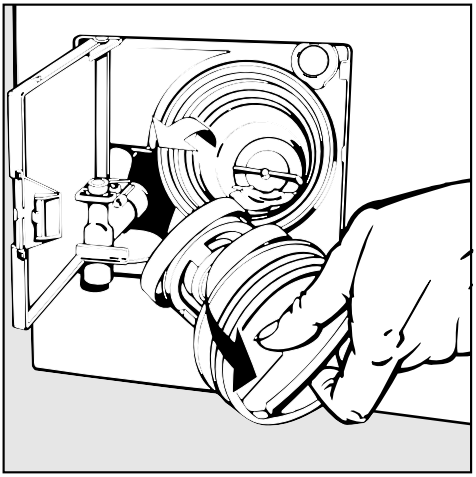


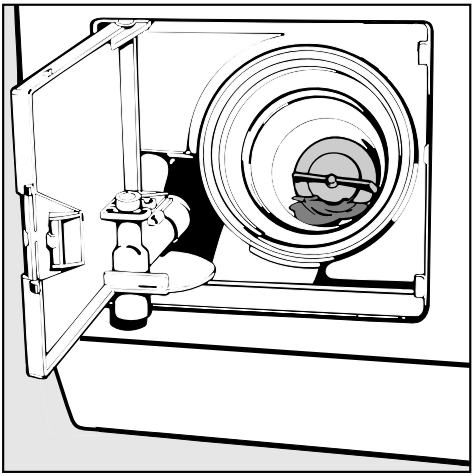
- Turn the fluff filter lid round 2-3 times. Do not take it right out. Approx. 2 litres of water will drain out of the hose.

If the drain outlet is clogged, more water will be retained in the machine, (max. 25 l). In this case, screw the fluff filter back into position and empty the dish before repeating the procedure as often as necessary.

Caution: if laundry has been washed at a high temperature, water draining out of the machine will still be hot!

- Once the flow of water ceases, remove the fluff filter completely and clean it.



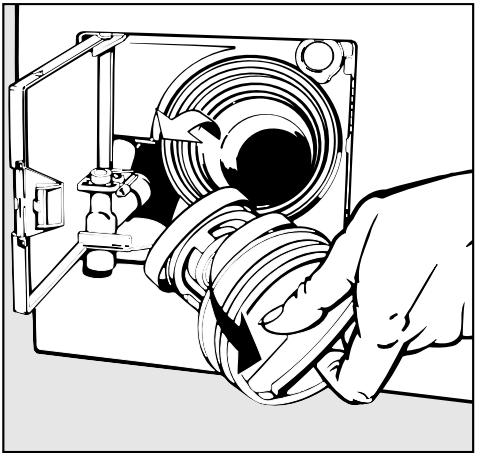


- Remove any foreign bodies (e.g. buttons, coins, etc.) and fluff.
- Turn the impeller by hand to check that it is free to rotate. Any foreign objects causing an obstruction should be removed.
- Clean inside the fluff filter housing.

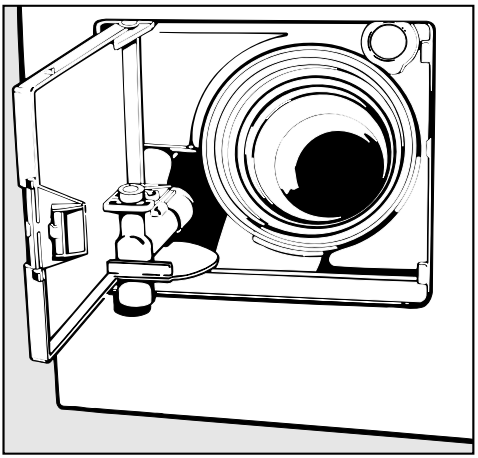
Remove any deposits of lime scale and detergent or foreign bodies from the thread of the filter housing and filter unit.

Machines with Drain Valve:

- Switch the machine off (open the door or disconnect at the isolator, and open the drain access panel, see p. 26).



- Remove the cover lid.



- Remove any foreign bodies.

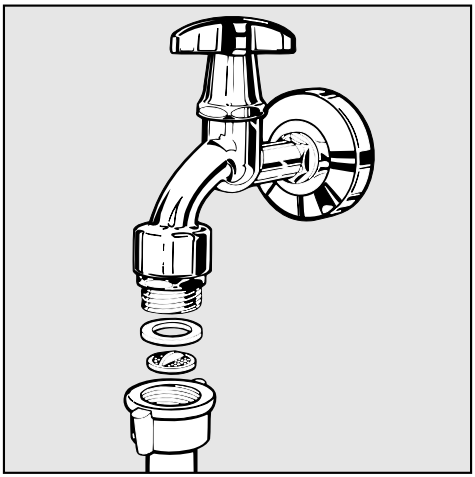
Cleaning the filters in the water inlet

The washing machine has the following filters to protect the inlet valves:

– in the free end of any water inlet hose,
– in the water inlet valve(s) for connection hose to machine.

To clean the filter in the inlet hose:

- Close the stopcock.

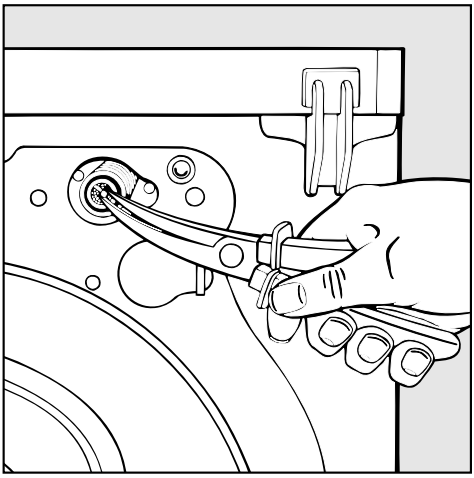


- Carefully unscrew the knurled coupling connecting the inlet hose to the stopcock.
- Remove the rubber seal from the recess.
- Using pointed pliers, take hold of the plastic filter bar, remove the filter and clean.
- Put the filter and seal back in the reverse order and reconnect the hose. Turn on the stopcock and check the connection is watertight.

The filters in the inlet hose should be checked and cleaned approx. every 6 months.
Inspect the inlet hose which is subjected to high pressure while the machine is in operation. The hose should be replaced if there are small cracks in the surface, or if it has been otherwise damaged. If replacing the inlet hose only use a hose able to withstand pressure up to 70 bar. Miele's own hoses meet this requirement.

To clean the filter in the water inlet valve:

- Using pliers, carefully loosen the ribbed plastic nut on the inlet valve, and unscrew.



- Use water pump pliers to withdraw the plastic filter by the bar. Clean and put back in the reverse order.

The two filters - one in the pressure hose union and one in the water inlet connection to the solenoid valve - must not be removed.

Any work on the electrical components of this appliance should only be carried out by a suitably qualified and competent person in accordance with local and national regulations. Unauthorised repairs could be dangerous.

There are, however, minor faults which can be corrected without contacting the Service Department.

A selected programme does not begin

The I/◇ On/Start indicator light does not light up.

Check that:

- the door is properly closed,
- the mains plug is plugged in and that the fuse or circuit breaker has not tripped.

Check warning lights

The check light flashes, although the programme has finished as usual.

The water inlet system is blocked:

- Stopcock(s) not fully opened.
- Inlet hose(s) kinked or trapped.
- The water pressure is too low.
- The filters in the inlet hose(s) are clogged (see “Cleaning and Care” on page 28).

The indicator light goes out when the programme selector switch is turned to the →I End position.

The check light flashes, the End indicator light is on, but the laundry in the machine has not been washed.

- The water inlet system is blocked.
- Turn the programme selector switch to →I End.
- Turn on the water supply at the stopcock(s).
- Select a programme.
- Press the “Start” button.

If little or no water is taken in during the next programme, the water pres-sure may be too low. If it is adequate there may be a technical fault. In this case, call your local service dealer or the Miele Service Department.

The indicator light is flashing

Check whether

- the drainage system is clogged. Clean as described on pages 26/27 if necessary.

The Pre-wash indicator light is flashing:

Start the programme again. If the indicator still flashes call the Service Department.

The Main wash indicator light flashes during, or after the end of a programme.

If it flashes the next time the machine is switched on there is a technical fault. Call the Service Department.

Despite adequate water supply pressure, the machine takes a long time to fill.

Clean the filters in the water inlet system as described on page 28.

Large amounts of unused detergent remain in the dispenser drawer.

Water supply pressure is too low.

- Clean the filters as described on page 28.
- Check if the water flow through the stopcock is 5 litres in 15 seconds.

Washing powder becomes viscous when used together with a water softener.

- In future pour washing powder into the detergent dispenser before adding water softener.

Fabric conditioner is not completely dispensed or water remains in the compartment.

The dispenser drawer was opened while fabric conditioner was being flushed in.

The siphon tube is either incorrectly positioned or clogged. Clean as described on p. 25.

Excessive build-up of foam

To avoid this problem from the outset, take note of the following points:

- Follow the manufacturer's dosage recommendations on packaging carefully.
- Take the water hardness level into account.
- For lightly soiled articles or a small load, reduce the amount of detergent accordingly.
- Pre-soaked items should be rinsed thoroughly before washing.

Lime deposits are visible on the surface of the drum.

- Use a descaling agent to remove the deposits. Consult the manufacturer's instructions before use to ensure that the product is suitable for use in washing machines.
- Take the water hardness level into account when dispensing detergent.

Brown stains appear on the laundry after washing.

An excessively high manganese or iron content in the water supply can cause stains of this nature to appear on the laundry, in particular when low-phosphate detergent is used.

- Have the quality of the water supply checked and take remedial action if necessary.

Grey greasy particles cling to washed laundry.

The wash load was heavily soiled with greasy substances such as ointments or lotions, and the amount of detergent was insufficient to break down the particles of grease.

- In future, either add up to 50% more detergent to the main wash when washing loads of this nature or use liquid detergent in programmes up to 60°C.
- Before washing the next load, run a Cottons 60°C programme with liquid detergent without a load to clean the machine.

Fabrics with particularly greasy soiling

- Select programme with pre-wash. Use liquid detergent for pre-wash.
- In the main wash use ordinary powder detergent.

The use of a heavy-duty detergent is recommend in the main wash for very heavily soiled work clothing. Consult detergent producers.

Laundry washed with liquid detergent is not cleaned.

Liquid detergent does not contain any bleaching agents capable of removing stains, e.g. fruit, coffee and tea stains.

- To remove such stains, use a general-purpose washing powder which contains bleach or enzymes, or pre-treat laundry.
- Pour stain remover according to manufacturer's instructions into compartment III of the detergent dispenser and dispense the liquid detergent directly using a proprietary dispensing aid.

Never pour stain remover and liquid detergent into the same compartment.

Laundry is either not spun at all or not spun satisfactorily.

- The machine was not able to distribute the laundry load evenly. To protect the machine, laundry was either only spun at a reduced speed or not at all.
- Large items which tangle or roll up in the drum (e.g. bath mats) can cause an imbalance during the spin cycle. For safety reasons, the machine does not spin if this is the case. Attempts to build up spin speed are repeated, however, until the time allocated to spinning has expired.
  It is therefore important to make up mixed loads consisting of large and small items.
- The drain system may be clogged. Clean as described on page 26/27.

The machine shakes during the spin cycle.

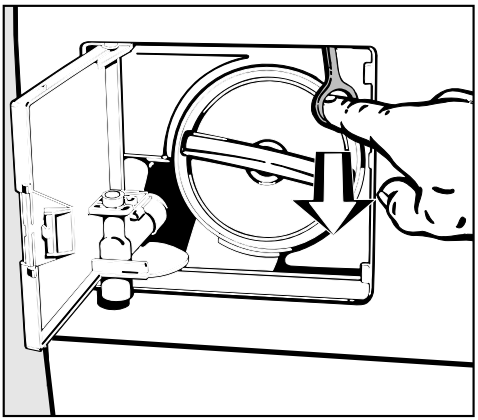
The most likely cause is that the four machine feet are not resting securely on the floor.

- Level the machine as shown on page 37.

Weak floorboards not only lead to excessive noise but also to shaking during the spin cycle (see page 35 for advice).

Opening the drum door in the event of a power failure

- Turn the programme selector to →I End.
- Open the drain panel and drain off any water as described on page 26 if there is water still in the drum.



- Pull the ring of the door mechanism downwards, and the door will open.

Always make sure the drum is stationary before reaching in to remove washing. Reaching into a moving drum is extremely dangerous.

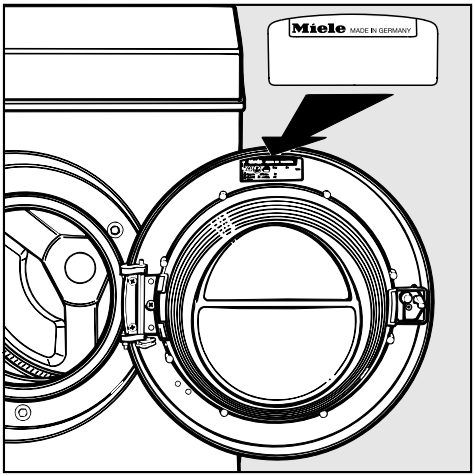
After sales service

In the event of any faults which cannot be remedied, or if the appliance is under guarantee, please contact:

– Your Miele Dealer or

– The nearest Miele Service Department (see back cover for the address).

When contacting the Service Department, please quote the Model and Serial nos. of your appliance, both of which are shown on the data plate visible when the door is opened above the porthole glass.



Example:

Installation surface

Experience has shown that a concrete floor is the most suitable for a washing machine. Concrete floors are far less prone to vibration during the spin cycle than wooden floorboards.

Please note the following points:

- The machine must be level and securely positioned.
- To avoid vibrations during spinning, the machine should not be installed on soft floor coverings.
- If installation must be on a wooden joist floor: we recommend the use of a plywood base (at least 70 x 60 x 3 cm). Ideally the base should be large enough to span several joists and should be bolted to the joists and not just the floorboards. Check for presence of pipes and cables first.
- As a general rule, we recommend the installation of the machine (or washer/dryer stack) in the corner of a room where the stability of the floor is at its greatest.
- If the machine is installed on a raised plinth, it should be secured using the 2 butt straps supplied with the machine, see illustration on p. 38.

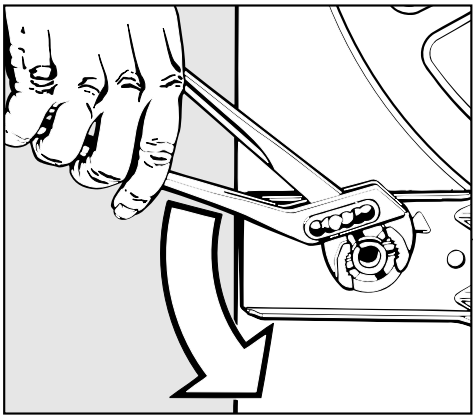
Installation

Lift the machine from its packaging base and move it to its site.

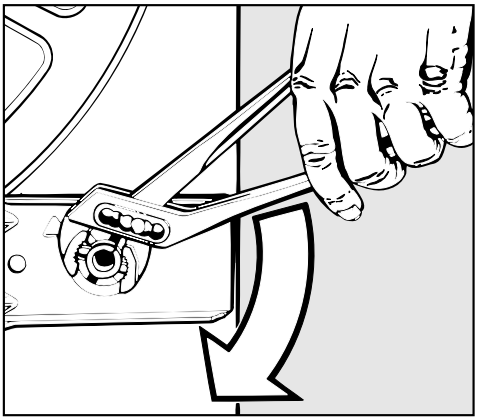
Please note:

- Do not lift the machine by the drum door.
- Ensure that the machine feet and the floor are dry to prevent the machine from slipping during the spin cycle.

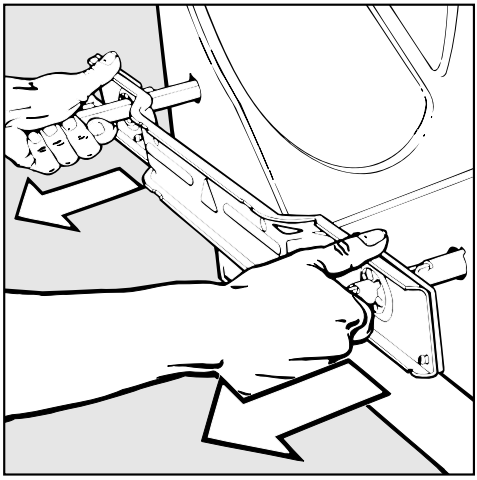
Removing the transit fitting.



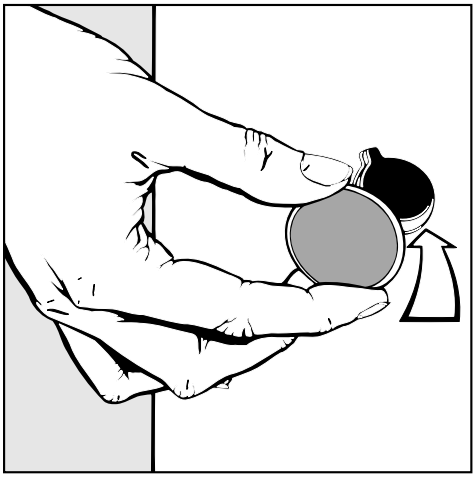
- Turn the left-hand transit bar 90° clockwise.



- Turn the right-hand transit bar 90° clockwise.



- Withdraw the two bars together with the support plate.

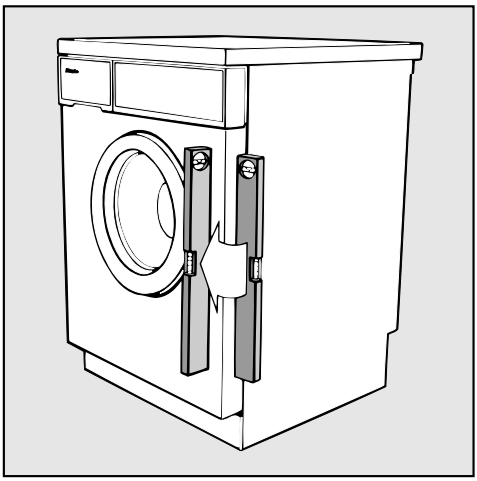


- Plug the two holes with the plastic caps supplied.

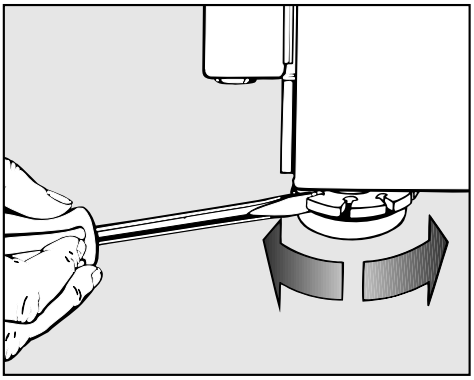
The machine should not be moved without the transit fitting in place.

The transit fitting should be stored in a safe place for future use. It must be re-fitted if the machine is to be moved again. Re-fitting is carried out by reversing the procedure.

Levelling the machine



The machine must stand level to ensure smooth operation. Check with a spirit level.
The feet are levelled using the screw feet as follows:



- Unscrew foot or feet until the machine stands level.
- Hold the foot tight using a pipe wrench.
- Tighten the counternut using a screwdriver as indicated.

Washer-Dryer stack

A Miele tumble dryer can be stacked with this washer-extractor, using a special stacking kit*.

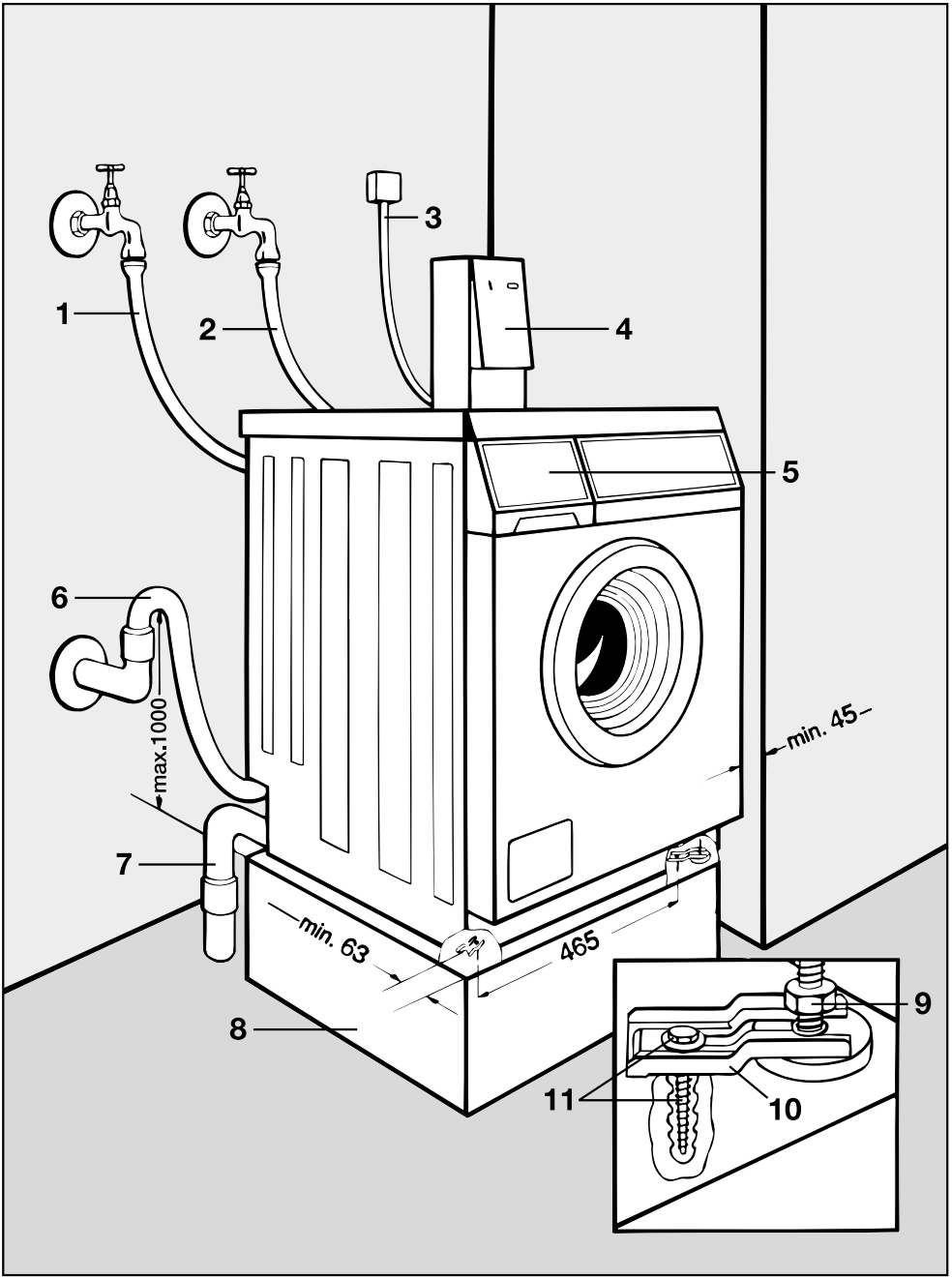
This machine can be equipped with a coin / token box. *

Where the machine is installed in a washer-dryer stack a wall bracket is required for the coin mechanism. (The coin mechanism is supplied with installation instructions and wiring diagram).

This machine can also be connected to an already existing time counter. A special connection cable * is required for this. The re-programming of the machine then required must only be carried out by a Miele Service Dealer.

The machine must not be used in conjunction with equipment designed to automatically switch the machine off, (e.g. Timer switches).

All items marked * can be purchased from the Miele Commercial Sales or Spare Parts Department.


1
2
3
4
5
6
max.1000
7
8
min. 63
465
min. 45
9
10
11

1 Cold water inlet hose
blue stripes
(see “Plumbing”)

2 Hot water inlet hose
red stripes
(see “Plumbing”)

3 Electrical connection
(see next pages)

4 Coin mechanism (optional)

5 Small panel with text
(see p.5 for insertion)

6 Drain hose for drain pump (LP) version (see “Plumbing”).

7 Drain hose for drain valve (AV) version (see “Plumbing”).

8 Concrete plinth - on site
Steel plinth available on request
(Secure floor connection required)

9 Hexagonal M10 nut.

10 Butt strap

11 Screw and washer, plug 8 x 40

When installing on a ’floating’ floor, use the appropriate fixing kit, (plugs and screws).

Electrical connection U.K.

All electrical work must be carried out only by a competent person in accordance with local and national regulations.

This washer extractor is supplied as standard for connection to either:

230 - 240 V single phase supply

or:

415 V **2 phase + N** supply.

The machine is not convertible.

The voltage, rated load and fuse rating are given on the data plate. Please ensure these match the site mains supply.

Connection should be made via a suitable isolator which complies with national and local regulations, and the on/off switch should be easily accessible for servicing work. For extra safety it is advisable to install a residual current device with a trip current of 30 mA.

Important

For **415 V 2 phase** connection the machine is supplied with a **4- core** cable in the following colours:

Black = live
Brown = live
Blue = neutral
Green and yellow = earth.

If a **3 phase** supply is provided on site, then one of the phases is not used.

WARNING
THIS APPLIANCE MUST BE EARTHED.

German standard version

The machine is supplied as standard for connection to 400 V 2-phase + N supply.

The machine is supplied as standard with two hoses, for connection to a hot and cold water supply.

Connection to cold water supply

The machine should be connected to a water supply in accordance with standard regulations. The German authorities do not require it to have a non-return valve as the washer-extractor has been constructed to comply with the relevant valid standard (DIN-Norm).

Connection to a water supply should be carried out by a qualified plumber and should incorporate a stopcock with 3/4" thread.

The approx. 1.5 m long 3/8" pressure hose (blue stripes) should be connected to the stopcock via the 3/4" threaded union.

This hose is **not** suitable for connection to a hot water supply.

Please make sure that the washer sits correctly in the union.

The connection points are subject to water pressure. Turn on the stopcock slowly and check for leaks. Correct the positioning of the washers and screw unions if appropriate.

If replacing the inlet hose only use a hose able to withstand pressure of up to 70 bar. This also applies to all fittings used. Miele original parts fulfil this condition.

Longer hoses 2.5 or 4.0 m in length are available as optional extras.

The pressure hose and solenoid inlet valve are designed for a water flow pressure of between 1 and 10 bar. At higher water pressures it is essential to fit a reducer valve.

There is a minimum flow pressure of 1 bar pressure if 5 litres of water flow into a suitable container in 15 seconds.

Connection to hot water supply

To keep electricity consumption costs down this machine can be connected to a (ring) piped hot water supply. The maximum temperature must not exceed 70°C.

It is not economical to run it from an individual hot water supply if it is not in continuous use, as the water in the supply pipes cools down and more energy would be required to reheat the water.

The machine must not be connected to hot water only, for functional reasons.

For hot water connection the same conditions apply as for cold water connection.

If the machine is not installed for hot water connection:

- both inlet hoses can be connected to cold water using an adapter piece, without the machine being reprogrammed

  or

- unscrew inlet hose (red stripes)
- plug the inlet connection with the cap supplied.
- The machine will have to be reprogrammed by an authorized service dealer.

Connection to drainage

– **Machines with a drain pump**

The machine drains via a drain pump with a delivery head of 1 metres. The 1.5 m long drain hose must not be kinked as this restricts drainage.

The drain hose may be connected as follows:

- Direct into a sink: Hook the hose over the edge and secure (version with drain pump (LP). Make sure that the water can flow away freely to avoid flooding and to prevent water from being sucked back into the machine.
- Connected to a plastic drain pipe with a rubber seal. There is no need to use a non-return valve.
- Directed into a standpipe, (seal hose into pipe to avoid flooding in the case of the drainpipe being blocked).
- Allowing the water to drain off into a floor drain.

If required, the hose can be extended to a length of 5 m.

– **Drain valve version**

The machine drains via an electromagnetic drain valve. The DN 70 angle hose provided enables the machine to be drained via an on-site gully drain (with odour trap).

Technical data

Height	85 cm
Width	59.5 cm
Depth	71.5 cm
Depth with door open	107 cm
Weight	112.5 kg
Max. floor load	2130 Newton (approx. 213 kg)
Capacity	5 kg dry laundry
Connected load Rated load Fuse rating	see data plate
Water flow pressure min.	1 bar
Static water pressure max.	10 bar
Maximum delivery head	1 m
Noise level on spin (sound pressure) (acc. to German 3 GSGV)	<70 dB(A)
Test certificates awarded	Radio/tv suppression, TÜV-GS

Miele

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